

Day : Tuesday
Date: 2/6/2007

Time: 14:29:29

 **PALM INTRANET**

Inventor Information for 10/686012

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<input type="checkbox"/>	L43	I9 and (hair adj spray)	143

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<input type="checkbox"/>	L11	L9 same ethanol	8361
<input type="checkbox"/>	L10	L9 and (hair)	1064
<input type="checkbox"/>	L9	methyl adj acetate	22810

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L34: Entry 58 of 387

File: USPT

Feb 2, 1999

DOCUMENT-IDENTIFIER: US 5866040 A

TITLE: Complex and emulsified composition

Application Filing Date (1):

19940727

Detailed Description Text (107):

Hair spray consisting of the following formulating ingredients in the following formulating ratios was prepared.

Detailed Description Text (108):

This hair spray was prepared by the following procedure.

Detailed Description Text (109):

To an oil phase in which liquid paraffin and oleic acid were dissolved was added, while agitation was continued with a homogenizer, an aqueous phase in which sodium 2-undecyl-N,N,N-(hydroxyethylcarboxymethyl)-2-imidazoline were dissolved with a part of purified water, whereby a W/O type emulsified composition was obtained, and the composition thus obtained was filled in a can, and thereafter, a liquid mixture consisting of ethanol, perfume, anionic macromolecule and purified water was added to the composition, and a valve was mounted to the can, following which dimethyl ether was filled in the can, whereby the hair spray was obtained.

Detailed Description Text (110):

The hair spray thus prepared had an excellent stability and low skin irritation.

Detailed Description Text (116):

A liquid mixture of acetyltriethyl citrate, n-butyl acetate, toluene, and isostearic acid (Emery #871: produced by Emery Co., Ltd.) was prepared, and to the mixture thus prepared were added nitrocellulose RS 1-4, an acrylic resin, sucrose benzoate, and camphor, and these were dissolved under agitation. Subsequently, a pigment and an organic modified bentonite were added to the solution obtained and dispersed under agitation. Subsequently, ethylhydroxyethylcellulose dissolved in ethanol and purified water containing Ovazoline 662-N and propylene glycol were homogenously mixed, and the mixture obtained was added to the previously obtained dispersion, following which the newly obtained mixture was emulsified under agitation, whereby a red nail beautifying preparation was obtained.

Detailed Description Paragraph Table (7):

	W/O type <u>hair spray</u> Formulating ingredients
Wt. %	2-Undecyl-N,N,N-(hydroxyethylcarboxymethyl)-2-imidazoline sodium Oleic acid 0.3 Liquid paraffin 2.4 Ethanol 10.0 Perfume q.s. Anionic polymer 3.0 Dimethyl ether 75.0 Purified water balance

Detailed Description Paragraph Table (9):

	W/O type emulsified enamel Formulating ingredients Wt. %
	Ovazoline 662-N (produced by Toho Kagaku 1.7 K.K.) [effective content 30%] Isostearic acid (Emery #871:

produced by 2.0 Emery Co., Ltd.) Purified water 20.0
 Ethylhydroxyethylcellulose.sup.*1 0.5 Propylene glycol 2.0 Nitrocellulose
 RS1/4.sup.*2 14.0 Acrylic resin.sup.*3 6.0 Sucrose benzoate 6.0 Acetyltriethyl
 citrate 6.0 Camphor 1.5 n-Butyl acetate 22.0 Toluene 15.0 Pigment.sup.*4 1.0
 Organically modified bentonite.sup.*5 1.0 Ethanol 5.0

.sup.*1 Mixed cellulose ether, most of the
 three OH groups in cellulose being replaced by an ethoxyl or ethylhydroxyl group,
 the 5% viscosity in toluene/95% ethanol (8:2) being 20 to 30 cps (25.degree. C.)
 ("EHECLOW": produced by Hercules Co., Ltd.) .sup.*2 Nitrocellulose with an
 isopropyl alcohol wetness of 30%; pyroxyli RS 1/4 (produced by Daisel Co.,
 Ltd.) .sup.*3 70:30 copolymer of butyl acrylate and methyl methacrylate, the
 molecular weight thereof being about 200, ("Oligen BM3" produced by Matsumoto
 Seiyaku Kogyo K.K.) .sup.*4 Deeve Maloon/titanium dioxide (4/1) .sup.*5 Distearyl
 chloride dimethylammonium hectorite

Detailed Description Paragraph Table (18):

ingredients	Wt. %	W/O type emulsified enamel Formulating
Sanyo Kasei K.K.)	1.7 [effective content 30%]	Lebon 2000 (produced by
Ethylhydroxyethylcellulose.sup.*1	0.5	Purified water 20.0
Propylene glycol	2.0	Nitrocellulose RS
1/4.sup.*2	14.0	Acrylic resin.sup.*3
6.0	Sucrose benzoate 8.0	Acetyltriethyl
citrate 6.0	Camphor 1.5	n-Butyl acetate 22.0
Toluene 15.0	Pigment.sup.*4	1.0
Organically modified bentonite.sup.*5	1.0	Ethanol 5.0
.sup.*1	Cellulose ether mixture, many of the	
three OH groups in cellulose being replaced by an ethoxyl group or an ethylhydroxyl		
group, 5% viscosit thereof in toluene/95% ethanol (8:2) being 20 to 30 cps		
(EHECLOW: produce by Hercules Co., Ltd.)	.sup.*2	Nitrocellulose with isopropyl
alcohol wetness of which is 30%; pyroxylin RS 1/4 (produced by Daisel Co.,		
Ltd.) .sup.*3	70:30	copolymer of butyl acrylate and methyl methacrylate, the
molecular weight being about 2000, ("Oligen" BM3: Matsumoto Seiyaku Kogyo		
K.K.) .sup.*4	Dieve maloon/titanium dioxide (4/1)	.sup.*5
Stearyl dimethylbenzylammoniumhectrite chloride		

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File: DWPI

Jun 2, 1987

DERWENT-ACC-NO: 1987-169752

DERWENT-WEEK: 198724

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TITLE: Applying protective acrylic! coatings to human nails - using layers of a liq. acrylic monomer blend and polymethacrylate ester powder

Basic Abstract Text (1):

Protective acrylic coatings are applied to the human fingernail by: (a) cleaning the nail with an oil-free polish remover and then cleaning with a solvent contg. at least one of acetonitrile, methylene chloride, acetone, ethyl acetate, propionitrile, 1,1,1-trichloroethane, butane-2-one, methyl acetate and butyl acetate gps., (b) roughening the surface of the nail, (c) applying a layer of liq. methacrylic monomer blend to the surface of the nail, (d) applying a layer of polymethacrylic ester powder to the surface while still wet, (e) applying a second layer of liq. methacrylate monomer blend and (f) curing the coating, where, after the nail is cleaned, a water free soln. of biocide is applied. The biocide is e.g. n-alkyldimethylbenzyl ammonium chloride, cetyl pyridinium bromide, 5-methyl-2-isopropyl cyclohexanol, 2-bornanone, cineole, safrole, bornyl chloride, 2-phenoxyethanol, benzyl alcohol, ethanol, thymol, chlorothymol.

PF Application Date (1):

19841211

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L40: Entry 61 of 61

File: DWPI

Jun 2, 1987

DERWENT-ACC-NO: 1987-169752

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